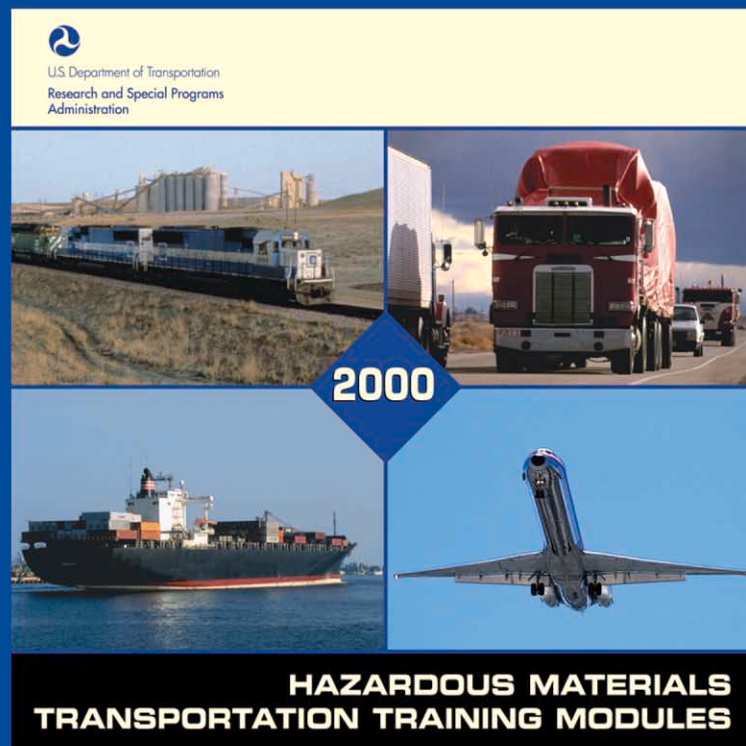


# 2000 Edition

# Introduction



## HAZARDOUS MATERIALS TRANSPORTATION TRAINING MODULES



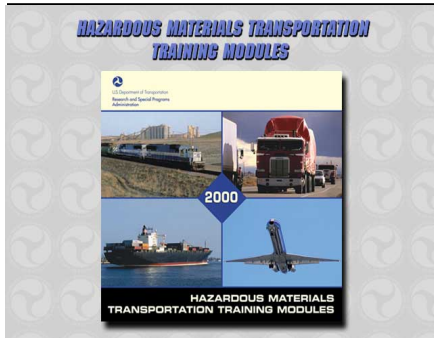
U.S. Department of Transportation  
Research and Special Programs  
Administration

# Script

## Visual

## Narrative

1



Welcome to the Hazardous Materials Transportation Training Modules.

2



This program was developed by the Research and Special Programs Administration of the United States Department of Transportation.

### 3

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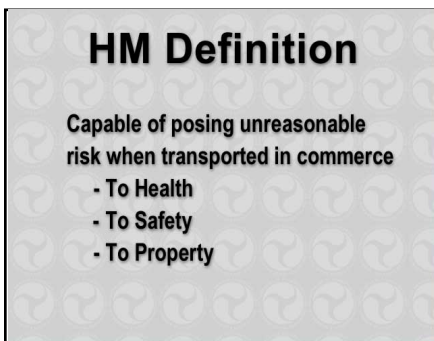
Hazardous materials are an integral part of daily life:

- gasoline to power our vehicles,
- fertilizers and pesticides to maintain beautiful, insect-free lawns,
- paints and varnishes to keep our homes looking new,
- chlorine to maintain that beautiful blue clean water in our backyard swimming pool.

It's hard to imagine life without them. Yet they're potentially dangerous if handled and transported improperly.

### 4

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Hazardous materials are defined by the Secretary of Transportation as those materials and substances that are capable of posing an unreasonable risk to health, safety and property when transported in commerce.

### 5

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More than three billion tons of hazardous materials are transported annually in the United States – on airplanes, trucks, railroads and vessels.

That means more than 800,000 hazardous materials shipments every day – 365 days a year.

Most of these materials reach their destinations safely.

## 6



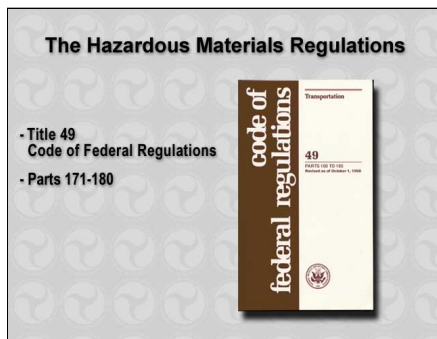
But incidents do occur and hazardous materials are released. They can damage property and the environment – or worse, cause injuries and casualties.

## 7



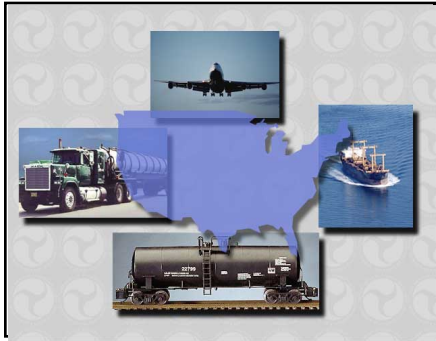
The U.S. Department of Transportation is responsible for developing, issuing and enforcing the Hazardous Materials Regulations.

## 8



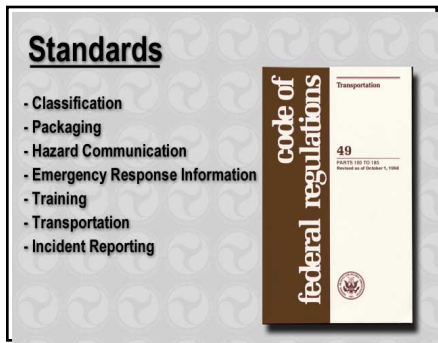
The Hazardous Materials Regulations are in Title 49, Code of Federal Regulations, Parts 171-180. If you are involved in the transportation of hazardous materials, you should have a current copy of 49 CFR Parts 100 through 185.

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**9**

The Hazardous Materials Regulations govern the transportation of hazardous materials in all modes of transportation.

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**10**

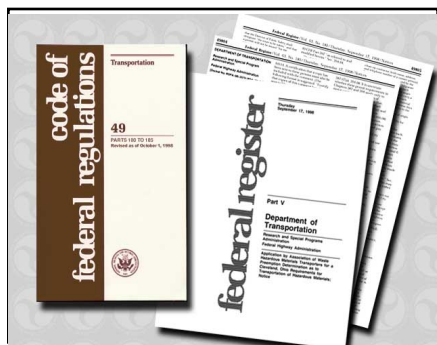
They set forth standards for classification, packaging, hazard communication, emergency response information, training of hazmat employees, transportation and incident reporting.

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**11**

In this series of training modules, the Hazardous Materials Regulations are referred to as the “HMR” or “the regulations.” The modules are for training purposes only; they are not a substitute for the HMR. Although the modules are updated periodically, they may not reflect the most recent regulatory changes.

## 12



To be sure you're in compliance with the regulations, refer to a current copy of the HMR and any additional final rules published in the Federal Register.

## 13

**171.2(a)**

**No Person May Offer or Accept A Hazardous Material For Transportation In Commerce Unless...**

**§ 171.2 General requirements.**  
 (a) No person may offer or accept a hazardous material for transportation in commerce unless that person is registered in conformance with subpart G of part 107 of this chapter, if applicable, and the hazardous material is properly classed, described, packaged, marked, labeled, and in condition for shipment as required or authorized by applicable requirements of this subchapter, or an exemption, approval or registration issued under this subchapter or subchapter A of this chapter.

Who must comply?

Section 171.2(a) of the HMR requires anyone offering or accepting a shipment of hazardous materials to comply with the HMR. No shipper may offer for transportation hazardous materials that do not comply with the HMR, and no carrier may accept them.

If you transport hazardous materials in the course of a business, you are regulated, and you must comply with the HMR.

## 14

**171.2(c)**

**No Person May Misrepresent A Package or Container Used in Commerce**

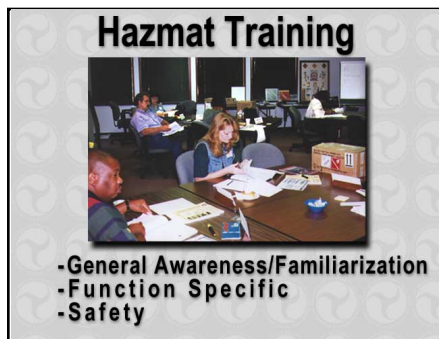
**(c) No person may represent, mark, certify, sell, or offer a packaging or container as meeting the requirements of this subchapter or an exemption, approval or registration issued under this subchapter or subchapter A of this chapter, governing its use in the transportation in commerce of a hazardous material, unless the packaging or container is manufactured, fabricated, marked, maintained, reconditioned, repaired and retested, as appropriate, in accordance with applicable requirements of this subchapter, or an exemption, approval or registration issued under this subchapter or subchapter A of this chapter.**

The regulations also state that packaging and containers for shipping hazardous materials must be prepared as required. It is a serious violation to represent packages or containers as meeting U.S. DOT requirements when they do not.



15

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The Hazardous Materials Regulations require hazmat employers to train employees who perform functions covered by the HMR. Training must include

- general awareness/familiarization,
- function-specific, including driver training for hazmat employees who operate motor vehicles;
- and safety.

16

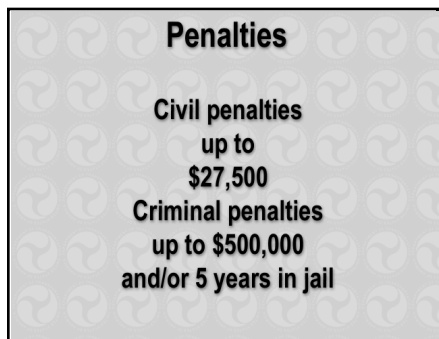
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Hazmat training is the LAW.

17

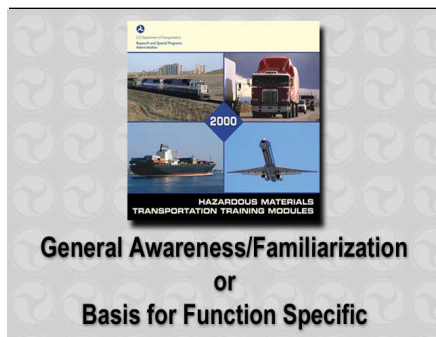
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Violations of the Hazardous Materials Regulations may result in criminal penalties of \$500,000 and five years in jail. Civil penalties range up to \$27,500.

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## 18



This program may be used to meet the requirements for general awareness/familiarization training ... or as the basis for developing a function-specific training program.

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## 19

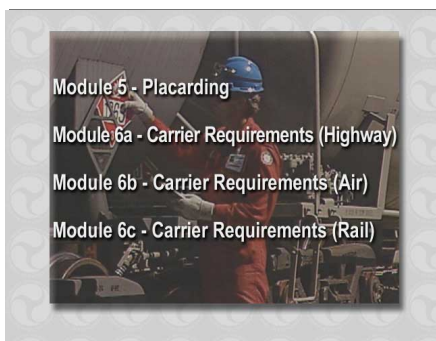


The program consists of eight modules:

- Module 1 – The Hazardous Materials Table
- Module 2 – Shipping Papers
- Module 3 – Packaging
- Module 4 – Marking and Labeling

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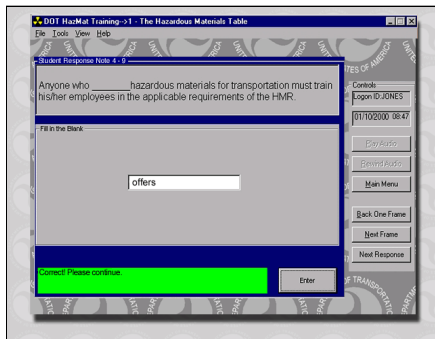
## 20



- Module 5 – Placarding
- Module 6A – Carrier Requirements (Highway)
- Module 6B – Carrier Requirements (Air)
- Module 6C – Carrier Requirements (Rail)

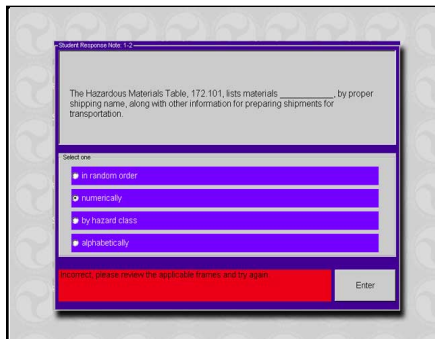


## 21



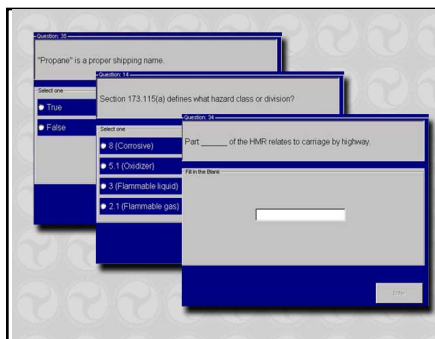
Throughout each module you will be asked to complete review questions called “STUDENT RESPONSE NOTES.” If you answer them correctly, the module will continue.

## 22



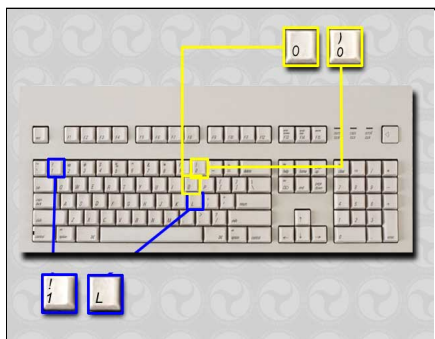
If you don't, the program will prompt you to try again. You may choose to return to the section covered by the Student Response Note to review before trying again. The way to do this is to press the “previous frame” button until you reach the place where you want to review.

## 23



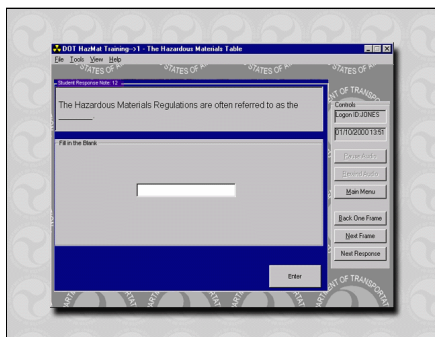
The Student Response Notes and Module Test questions may be multiple choice, fill in the blanks, or True or False.

24



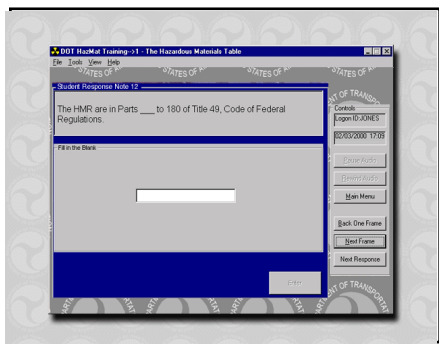
When entering answers, pay close attention to your keyboard. Remember that the number “one” is not the same as a lowercase “l.” And a “zero” is not the same as an “O.”

25



Let's do a couple of Student Response Notes for practice. “The Hazardous Materials Regulations are often referred to as the \_\_\_\_\_.”

26



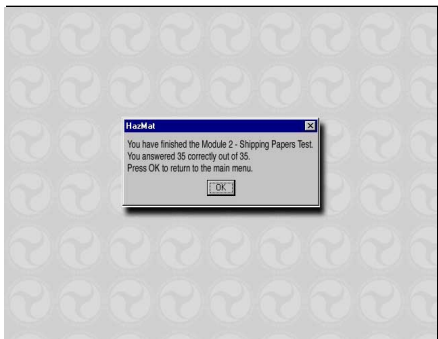
The HMR are in Parts \_\_\_\_\_ to 180 of Title 49, Code of Federal Regulations.

## 27



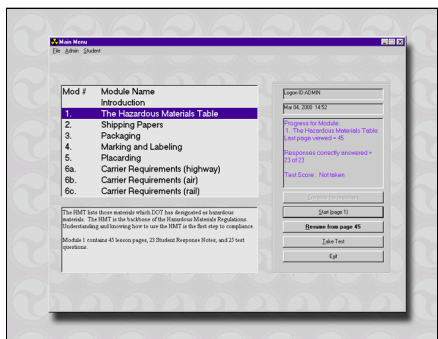
After you've finished a module and its Student Response Notes, you'll be prompted to complete the Module Test. Use the HMR to answer the test questions. If an answer is wrong, the program will give the correct answer and move to the next question. Your wrong answer will be scored as incorrect.

## 28



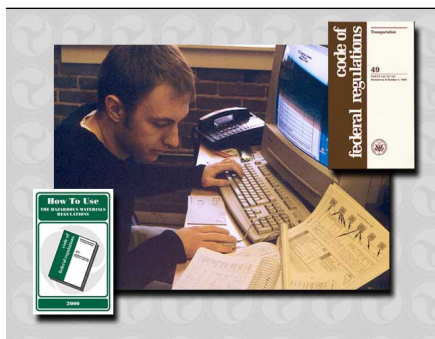
When you've finished the test, the program will display your score and save it in the computer as part of your training record.

## 29



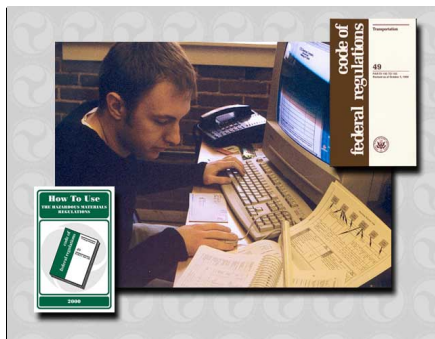
You may then repeat the module, return to the main menu to select another module, or exit the program.

## 30



The program assumes you can locate parts, subparts, sections and references in the HMR. If you are not familiar with 49 CFR, you may print a copy of “How to Use the Hazardous Materials Regulations” and review it before you begin the modules.

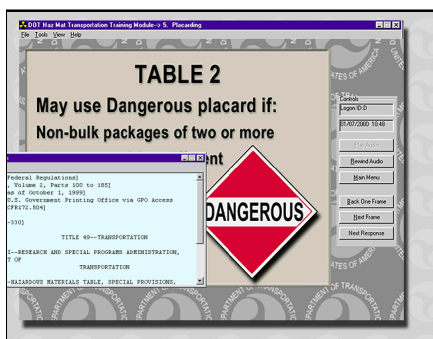
## 31



At your work station you should have

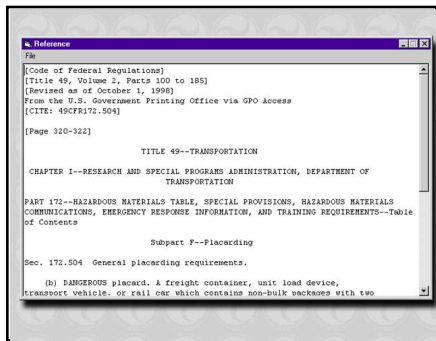
- a tabbed copy of the current Hazardous Materials Regulations, Parts 171 to 180,
- a copy of “How to Use the Hazardous Materials Regulations,”
- and pencil and paper.

## 32



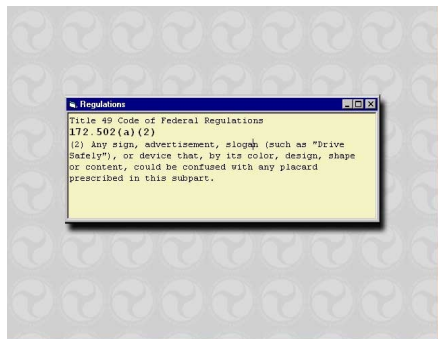
As you work through the modules, you may pause the presentation at any time and click on the hypertext link in the lower right hand corner of the screen.

### 33



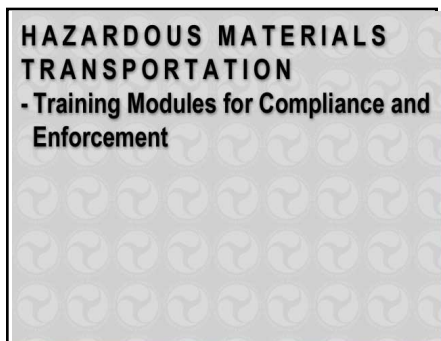
This automatically takes you to the relevant section of the Hazardous Materials Regulations.

### 34



Click on the arrows to scroll up or down in the HMR. Click on the “Close” icon to close the box.

### 35



You may jump to the main menu ...

go forward – or move back a frame ...

pause the presentation ...

print what’s on the screen ...

and adjust the volume.

Now return to the main menu by pressing the “Main Menu” button and begin the course by selecting a module.